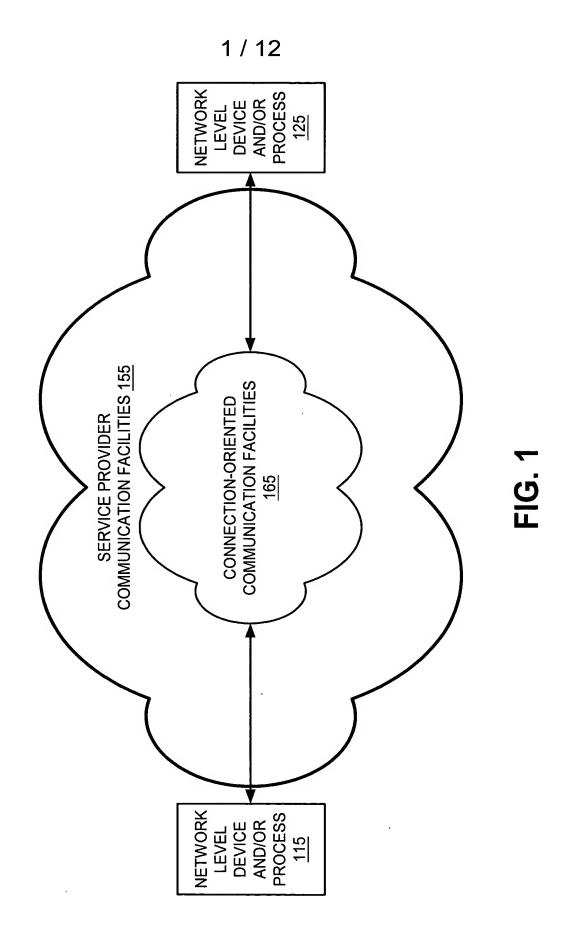
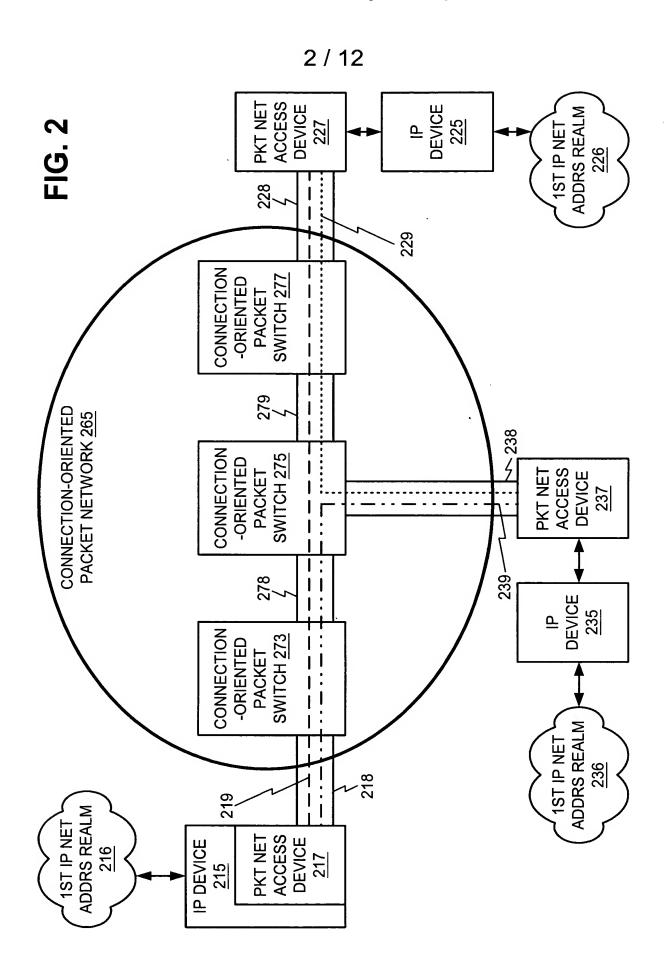
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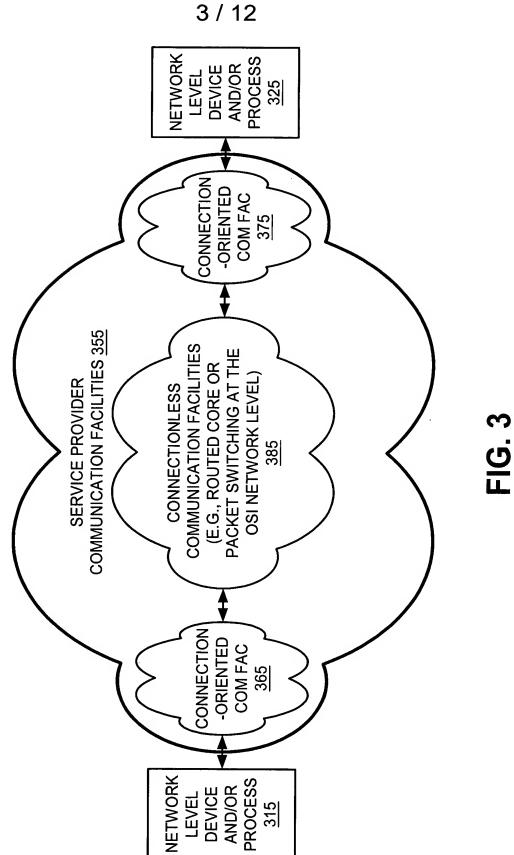
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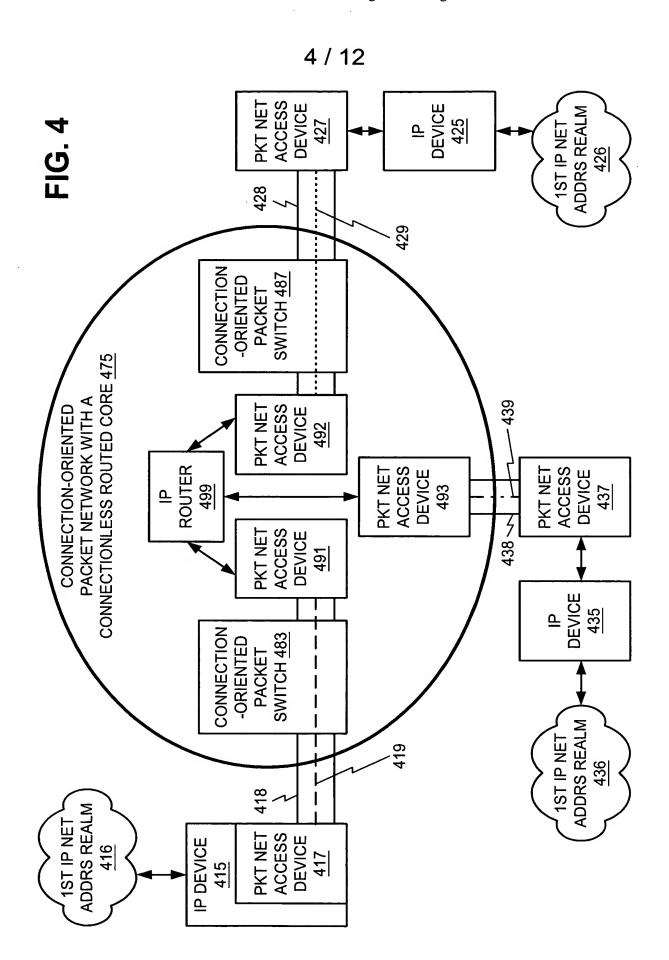
Inventor(s): Abdo, et al.

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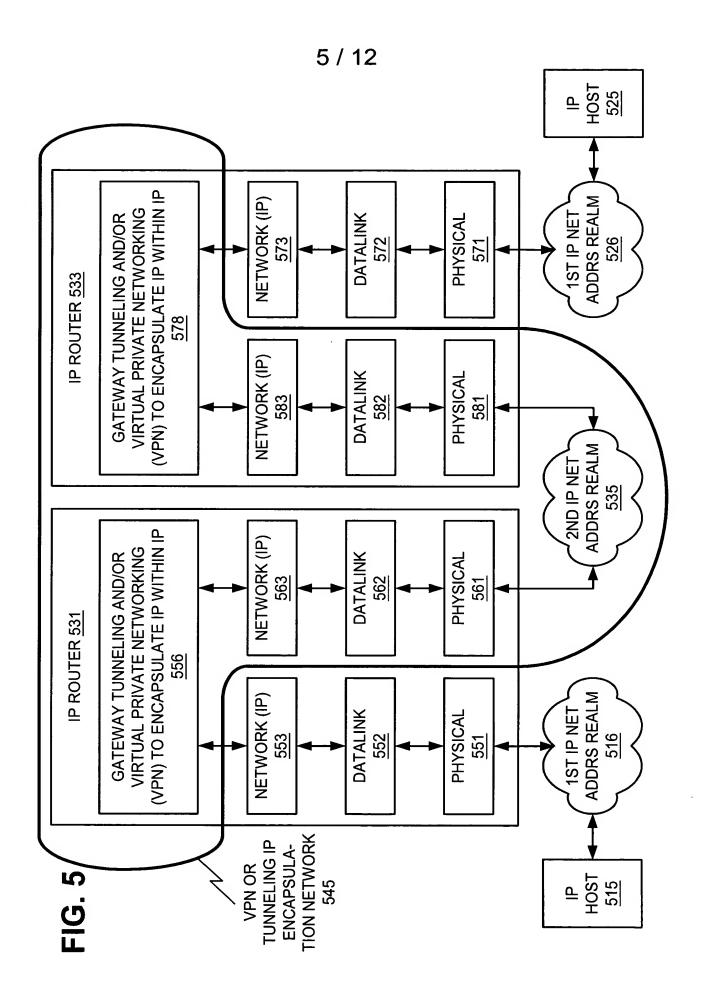
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DETECTING WHETHER
AT LEAST ONE FIRST
NETWORK LAYER
PROTOCOL PACKET
WITH A PARTICULAR
CHARACTERISTIC HAS
BEEN RECEIVED 615

DETERMINING THE
CAPABILITY OF AT
LEAST ONE
COMMUNICATION
FACILITY TO PASS
NETWORK LAYER
PROTOCOL PACKETS
WITH THE
PARTICULAR
CHARACTERISTIC 625

Title: Automatic Discovery of Network Core Type Inventor(s): Abdo, et al. Docket No.: 61607-1730 Page 7 of 12 Pages 7 / 12 SPECIAL DESTINATION TARGET DEVICE DOES **DETECTS NETWORK** NETWORK ADDRESS SOURCE NETWORK AND RESENDS THE PACKET USING ITS DETECT NETWORK ADDRESS AS THE NOT RECEIVE OR TARGET DEVICE **OWN NETWORK PACKET WITH** PACKET WITH **ADDRESS** I R

SPECIAL DESTINATION **NETWORK ADDRESS** RESPONDING **DEVICE B 725** TARGET/ DESTINATION NETWORK ADDRESS AND ANOTHER NETWORK DEVICE THAN TARGET 755 DESTINATION NETWORK ADDRESS 735 NO RESPONSE OR CONTROL MESSAGE FROM NETWORK PACKET WITH SPECIAL NETWORK PACKET WITH SPECIAL WITH TARGET DEVICE SOURCE NETWÖRK ADDRESS 745 S R INITIATING **DEVICE A** 715 **NETWORK ADDRESSES ASSIGNED RANGE FOR** NETWORK ADDRESSES PACKET WITH SPECIAL THE ASSIGNED RANGE THE ASSIGNED RANGE **NETWORK ADDRESS** THAT ARE NOT FROM 1 THAT ARE NOT FROM PASS PACKETS WITH **NETWORK DOES NOT** THAT IS NOT IN THE **NITIATING DEVICE NETWORK PASSES** SENDS NETWORK **PACKETS WITH** THE NETWORK DESTINATION --- OR

INCREASING

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TRANSMITTING AT LEAST ONE SECOND NETWORK LAYER PROTOCOL PACKET WITH A PARTICULAR CHARACTERISTIC <u>835</u>

DETECTING WHETHER
AT LEAST ONE FIRST
NETWORK LAYER
PROTOCOL PACKET
WITH THE
PARTICULAR
CHARACTERISTIC HAS
BEEN RECEIVED 615

DETERMINING THE
CAPABILITY OF AT
LEAST ONE
COMMUNICATION
FACILITY TO PASS
NETWORK LAYER
PROTOCOL PACKETS
WITH THE
PARTICULAR
CHARACTERISTIC 625

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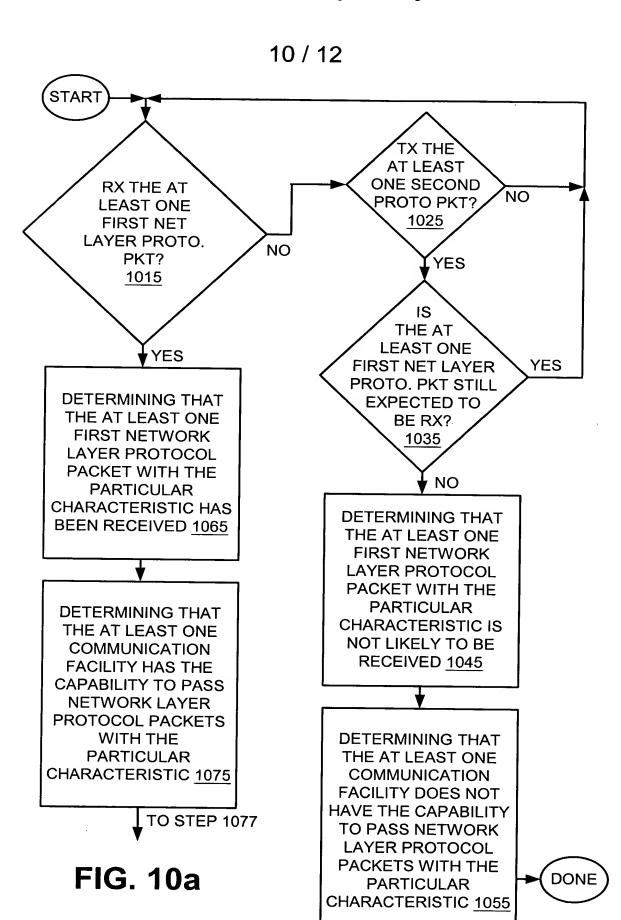


DETECTING WHETHER
AT LEAST ONE FIRST
NETWORK LAYER
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CHARACTERISTIC HAS
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DETERMINING THE
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NETWORK LAYER
PROTOCOL PACKETS
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CHARACTERISTIC 625

TRANSMITTING AT LEAST ONE SECOND NETWORK LAYER PROTOCOL PACKET WITH A PARTICULAR CHARACTERISTIC 935 Title: Automatic Discovery of Network Core Type Inventor(s): Abdo, et al.

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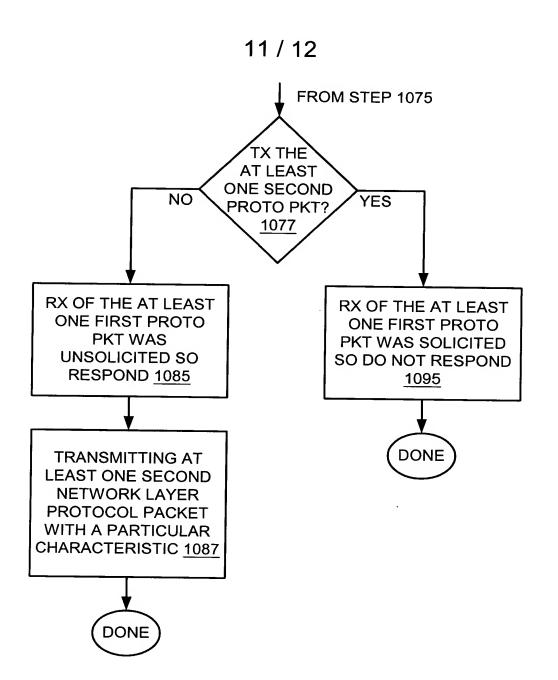


FIG. 10b

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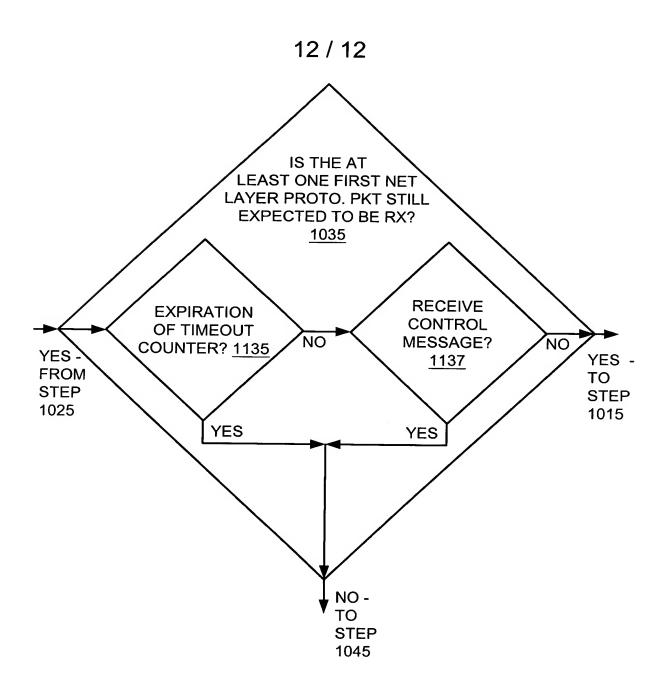


FIG. 11